Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of claims:

1. – 9 (cancel)

10.   (previously presented) A method for disabling header compression of TCP/IP headers during an establishment and configuration of a communication protocol and communication channel between an initiating correspondent and a responding correspondent, said method including the steps of:

an initiating correspondent transmitting at least one PPP negotiation packet having at least one acceptable TCP/IP header compression option type, said option type being associated with a first instruction set for said establishment and configuration of said communication protocol and channel;

a software module coupled to said responding correspondent intercepting and examining sad at least one PPP compression request packet before said at least one PPP compression request packet reaches said responding correspondent's PPP layer;

said software module modifying said acceptable option type to an unacceptable option type and transmitting said modified PPP negotiation packet to said responding correspondent's PPP layer;

said responding correspondent's PPP layer receiving said modified PPP negotiation packet and rejecting said unacceptable option type;

said software module receiving said PPP negotiation packet having said unacceptable option type; and

said software module modifying said unacceptable option type to said acceptable type and transmitting said PPP negotiation packet to said initiating correspondent.

11.   (previously presented) A method for disabling header compression of TCP/IP headers during an establishment and configuration of a communication protocol and communication channel between an initiating correspondent and a responding correspondent, said method including the steps of:

an initiating correspondent transmitting at least one PPP negotiation packet having at least one acceptable TCP/IP header compression option type, said option type being associated with a first instruction set for said establishment and configuration of said communication protocol and channel;

a software module coupled to said initiating correspondent's PPP layer for intercepting and examining said at least one PPP compression request packet before said at least one PPP compression request packet is transmitted to said responding correspondent, said software module modifying said acceptable option type to an unacceptable option type and transmitting said modified PPP negotiation packet to said responding correspondent's PPP layer;

said responding correspondent's PPP layer receiving said modified PPP negotiation packet and rejecting said unacceptable option type;

said software module receiving said PPP negotiation packet having said unacceptable option type; and

said software module modifying said unacceptable option type to said acceptable type and transmitting said PPP negotiation packet to said initiating correspondent's PPP layer.

12. – 15 (cancel)

16. (new) A method according to claim 10 wherein said header compression is implemented by a Van Jacobson compression algorithm.

17. (new) A method according to claim 10 wherein said communication channel is any one of a local area network (LAN), a wide area network (WAN), the Internet, and a wireless system using a wireless application protocol (WAP).

18. (new) A method according to claim 10 wherein at least one of said initiating correspondent and said responding correspondent is a handheld device.

19. (new) A method according to claim 10 wherein said PPP layer is part of a network protocol stack.

20. (new) A method according to claim 19 wherein said protocol stack is based on a 7-layer open systems interconnection (OSI) model.

21. (new) A method according to claim 10 wherein said software module is implemented as a driver.

22. (new) A method according to claim 11 wherein said header compression is implemented by a Van Jacobson compression algorithm.

23. (new) A method according to claim 11 wherein said communication channel is any one of a local area network (LAN), a wide area network (WAN), the Internet, and a wireless system using a wireless application protocol (WAP).

24. (new) A method according to claim 11 wherein at least one of said initiating correspondent and said responding correspondent is a handheld device.

25. (new) A method according to claim 11 wherein said PPP layer is part of a network protocol stack.

26. (new) A method according to claim 25 wherein said protocol stack is based on a 7-layer open systems interconnection (OSI) model.

27. (new) A method according to claim 11 wherein said software module is implemented as a driver.